

Application No.: Not Yet Assigned

Docket No.: 0283-0210PUS1

### AMENDMENTS TO THE SPECIFICATION

#### IN THE SPECIFICATION:

##### Page 17

**Please amend the Specification paragraph beginning at page 17, line 14 as follows:**

R<sup>3</sup> is preferably a hydrogen atom, C<sub>1</sub>-C<sub>4</sub> alkyl group or amino group, more preferably a hydrogen atom, methyl group or amino group, particularly preferably a hydrogen atom.

R<sup>7</sup> is preferably a hydrogen atom or C<sub>1</sub>-C<sub>4</sub> alkyl group, more preferably a hydrogen atom, methyl group or ethyl group, particularly preferably a hydrogen atom or methyl group.

##### Page 161

**Please amend the Specification paragraph beginning on page 161, line 21 (more particularly page 163, line 9 therein) as follows:**

In the above-mentioned tables, more preferred are compounds of Compounds Nos. 1-1, 1-2, 1-3, 1-5, 1-6, 1-8, 1-9, 1-16, 1-17, 1-18, 1-24, 1-26, 1-27, 1-28, 1-32, 1-34, 1-40, 1-41, 1-42, 1-45, 1-46, 1-48, 1-50, 1-51, 1-56, 1-58, 1-60, 1-66, 1-68, 1-70, 1-73, 1-74, 1-75, 1-76, 1-77, 1-78, 1-79, 1-81, 1-84, 1-86, 1-89, 1-90, 1-91, 1-94, 1-95, 1-97, 1-98, 1-100, 1-101, 1-102, 1-103, 1-104, 1-106, 1-107, 1-119, 1-124, 1-126, 1-130, 1-133, 1-134, 1-135, 1-137, 1-156, 1-157, 1-159, 1-160, 1-161, 1-162, 1-163, 1-164, 1-167, 1-171, 1-172, 1-174, 1-175, 1-180, 1-183, 1-189, 1-190, 1-192, 1-193, 1-194, 1-196, 1-203, 1-204, 1-205, 1-207, 1-210, 1-211, 1-212, 1-214, 1-215, 1-220, 1-222, 1-224, 1-230, 1-232, 1-234, 1-237, 1-238, 1-239, 1-240, 1-241, 1-242, 1-243,

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further more preferred are compounds of Compounds Nos. 1-2, 1-3, 1-5, 1-6, 1-8, 1-16, 1-17, 1-18, 1-24, 1-27, 1-42, 1-50, 1-73, 1-74, 1-75, 1-76, 1-77, 1-78, 1-79, 1-81, 1-84, 1-86, 1-90, 1-91, 1-94, 1-95, 1-97, 1-98, 1-100, 1-104, 1-107, 1-119, 1-126, 1-137, 1-156, 1-157, 1-159, 1-161, 1-163, 1-164, 1-171, 1-172, 1-174, 1-180, 1-183, 1-189, 1-196, 1-207, 1-214, 1-237, 1-238, 1-239, 1-240, 1-241, 1-242, 1-243, 1-245, 1-248, 1-250, 1-254, 1-255, 1-258, 1-259, 1-261, 1-262, 1-264, 1-268, 1-271, 1-283, 1-290, 1-301, 1-320, 1-321, 1-323, 1-325, 1-327, 1-328, 1-335, 1-336, 1-338, 1-344, 1-347, 1-353, 1-360, 1-371, 1-378, 1-401, 1-402, 1-403, 1-404, 1-405, 1-406, 1-407, 1-409, 1-412, 1-414, 1-418, 1-419, 1-422, 1-423, 1-425, 1-432, 1-435, 1-447, 1-454, 1-465, 1-484, 1-485, 1-487, 1-489, 1-491, 1-492, 1-499, 1-500, 1-502, 1-508, 1-511, 1-517, 1-524, 1-536, 1-540, 1-542, 1-550, 1-551, 1-552, 1-558, 1-561, 1-577, 1-581, 1-583, 1-591, 1-592, 1-593, 1-599, 1-602, 1-618, 1-619, 1-621, 1-622, 1-624, 1-632, 1-633, 1-634, 1-640, 1-643, 1-658, 1-677, 1-678, 1-679, 1-680, 1-681, 1-682, 1-683, 1-684, 1-685, 1-688, 1-689, 1-692, 1-693, 1-695, 1-696, 1-701, 1-704, 1-710, 1-717, 1-729, 1-733, 1-735, 1-743, 1-744, 1-745, 1-751, 1-754, 1-769, 1-774, 1-775, 1-778, 1-781, 1-783, 1-788, 1-793, 1-798, 1-803, 1-818, 1-823, 1-828, 1-837, 1-838, 1-839, 1-840, 1-848, 1-873, 1-874, 1-875, 1-876, 2-1, 2-5, 2-6, 2-10, 2-12, 2-25, 2-28, 2-38, 2-60, 2-82, 2-83, 2-84, 2-86, 2-94, 2-95, 2-96, 2-97, 2-100, 2-101, 2-102, 2-105, 2-108, 2-111, 2-114, 2-115, 2-116, 2-117, 2-121, 2-123, 2-129, 2-130, 2-132, 2-133, 2-135, 2-136, 2-137, 2-145, 2-151, 2-152, 2-160, 2-177, 2-196, 2-197, 2-199, 2-201, 2-202, 2-205, 2-207, 2-212, 2-213, 2-225, 2-228, 2-243, 2-248, 2-264, 2-281, 2-282, 2-284, 2-287, 2-288, 2-290, 2-293, 2-294, 2-295, 2-298, 2-301, 2-304, 2-308, 2-309, 2-321, 2-322, 2-324, 2-337, 2-343, 2-351, 2-366, 2-385, 2-386, 2-388, 2-390, 2-391, 2-394, 2-396, 2-401, 2-402, 2-414, 2-415, 2-417, 2-432, 2-453, 2-473, 2-476, 2-477, 2-479, 2-482, 2-483, 2-484, 2-487, 2-490, 2-493, 2-497, 2-498,

2-510, 2-511, 2-513, 2-526, 2-532, 2-538, 2-540, 2-555, 2-574, 2-575, 2-577, 2-579, 2-580, 2-583, 2-585, 2-590, 2-591, 2-603, 2-604, 2-606, 2-615, 2-621, 2-642, 2-646, 2-647, 2-649, 2-651, 2-653, 2-654, 2-666, 2-669, 2-679, 2-701, 2-705, 2-706, 2-708, 2-710, 2-712, 2-713, 2-725, 2-728, 2-738, 2-760, 2-764, 2-765, 2-767, 2-769, 2-771, 2-772, 2-784, 2-787, 2-797, 2-819, 2-836, 2-838, 2-839, 2-841, 2-843, 2-844, 2-845, 2-847, 2-849, 2-851, 2-854, 2-855, 2-867, 2-868, 2-870, 2-873, 2-879, 2-885, 2-890, 2-892, 2-906, 2-910, 2-911, 2-915, 2-917, 2-918, 2-930, 2-933, 2-943, 2-965, 2-970, 2-971, 2-974, 2-977, 2-979, 2-984, 2-989, 2-994, 2-999, 2-1019, 2-1033, 2-1034, 2-1035, 2-1036, 2-1044, 2-1069, 2-1070, 2-1071, 2-1072, 3-2, 3-3, 3-5, 3-6, 3-8, 3-16, 3-17, 3-18, 3-24, 3-27, 3-38, 3-46, 3-69, 3-70, 3-71, 3-72, 3-73, 3-74, 3-75, 3-77, 3-80, 3-82, 3-86, 3-87, 3-90, 3-91, 3-93, 3-100, 3-103, 3-115, 3-120, 3-122, 3-133, 3-149, 3-150, 3-152, 3-154, 3-156, 3-157, 3-164, 3-165, 3-167, 3-173, 3-176, 3-181, 3-186, 3-193, 3-212, 3-213, 3-215, 3-216, 3-217, 3-218, 3-220, 3-221, 3-222, 3-224, 3-225, 3-228, 3-229, 3-231, 3-237, 3-240, 3-246, 3-253, 3-264, 3-280, 3-281, 3-283, 3-285, 3-287, 3-288, 3-295, 3-296, 3-298, 3-304, 3-307, 3-312, 3-317, 3-324, 3-343, 3-344, 3-346, 3-347, 3-348, 3-349, 3-351, 3-352, 3-353, 3-355, 3-356, 3-359, 3-360, 3-362, 3-368, 3-371, 3-377, 3-384, 3-395, 3-411, 3-412, 3-414, 3-416, 3-418, 3-419, 3-426, 3-427, 3-429, 3-435, 3-438, 3-443, 3-448, 3-456, 3-459, 3-460, 3-462, 3-470, 3-471, 3-472, 3-478, 3-481, 3-497, 3-500, 3-501, 3-503, 3-511, 3-512, 3-513, 3-519, 3-522, 3-538, 3-541, 3-542, 3-544, 3-552, 3-553, 3-554, 3-560, 3-563, 3-578, 3-597, 3-598, 3-600, 3-601, 3-602, 3-603, 3-605, 3-606, 3-607, 3-609, 3-610, 3-613, 3-614, 3-616, 3-622, 3-625, 3-631, 3-638, 3-650, 3-653, 3-654, 3-656, 3-664, 3-665, 3-666, 3-672, 3-675, 3-690, 3-694, 3-695, 3-698, 3-701, 3-703, 3-707, 3-712, 3-714, 3-719, 3-727, 3-731, 3-732, 4-1, 4-2, 4-7, 4-9, 4-10, 4-20, 4-23, 4-35, 4-51, 4-70, 4-71, 4-73, 4-75, 4-76, 4-79, 4-81, 4-83, 4-85, 4-87, 4-90, 4-91, 4-94, 4-95, 4-97, 4-

103, 4-104, 4-106, 4-109, 4-110, 4-111, 4-119, 4-138, 4-139, 4-144, 4-146, 4-147, 4-157, 4-160, 4-172, 4-188, 4-203, 4-204, 4-206, 4-208, 4-209, 4-212, 4-214, 4-218, 4-220, 4-223, 4-224, 4-227, 4-228, 4-230, 4-236, 4-237, 4-239, 4-242, 4-243, 4-244, 4-252, 4-271, 4-281, 4-282, 4-286, 4-289, 4-291, 4-295, 4-297, 4-300, 4-301, 4-305, 4-311, 4-326, 4-345, 4-349, 4-351, 4-352, 4-362, 4-374, 4-388, 4-398, 4-399, 4-403, 4-406, 4-408, 4-412, 4-414, 4-417, 4-418, 4-422, 4-428, 4-443, 4-462, 4-466, 4-468, 4-469, 4-479, 4-491, 4-506, 4-510, 4-512, 4-513, 4-535, 5-550, 4-554, 4-556, 4-557, 4-579, 4-594, 4-598, 4-600, 4-601, 4-623, 4-638, 4-642, 4-644, 4-645, 4-655 or 4-667,

particularly preferred are compounds of Compounds Nos. 1-2, 1-16, 1-17, 1-18, 1-42, 1-50, 1-73, 1-74, 1-76, 1-78, 1-81, 1-84, 1-94, 1-95, 1-97, 1-98, 1-100, 1-104, 1-119, 1-156, 1-161, 1-163, 1-171, 1-172, 1-174, 1-180, 1-189, 1-207, 1-237, 1-238, 1-242, 1-245, 1-258, 1-259, 1-261, 1-268, 1-283, 1-320, 1-325, 1-327, 1-335, 1-336, 1-338, 1-344, 1-353, 1-371, 1-401, 1-402, 1-406, 1-409, 1-422, 1-423, 1-425, 1-432, 1-447, 1-484, 1-489, 1-491, 1-499, 1-500, 1-502, 1-508, 1-517, 1-536, 1-540, 1-542, 1-552, 1-577, 1-581, 1-583, 1-593, 1-618, 1-622, 1-624, 1-634, 1-658, 1-677, 1-678, 1-680, 1-682, 1-684, 1-685, 1-692, 1-693, 1-695, 1-701, 1-710, 1-729, 1-733, 1-735, 1-745, 1-774, 1-775, 1-778, 1-788, 1-798, 1-823, 1-837, 1-838, 1-839, 1-840, 1-876, 2-5, 2-12, 2-38, 2-60, 2-82, 2-86, 2-94, 2-95, 2-96, 2-97, 2-100, 2-101, 2-102, 2-105, 2-108, 2-111, 2-115, 2-116, 2-117, 2-121, 2-123, 2-129, 2-130, 2-132, 2-135, 2-151, 2-177, 2-196, 2-197, 2-202, 2-205, 2-243, 2-264, 2-281, 2-287, 2-288, 2-298, 2-301, 2-308, 2-309, 2-343, 2-366, 2-385, 2-391, 2-394, 2-432, 2-453, 2-476, 2-477, 2-483, 2-487, 2-490, 2-497, 2-498, 2-532, 2-555, 2-574, 2-580, 2-583, 2-621, 2-646, 2-651, 2-653, 2-705, 2-710, 2-712, 2-764, 2-769, 2-771, 2-819, 2-838, 2-839, 2-844, 2-847, 2-854, 2-855, 2-885, 2-910, 2-917, 2-970, 2-971, 2-974, 2-984,



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2-994, 2-1019, 2-1033, 2-1034, 2-1035, 2-1036, 2-1072, 3-2, 3-6, 3-8, 3-17, 3-27, 3-38, 3-69, 3-70, 3-72, 3-74, 3-77, 3-80, 3-90, 3-91, 3-93, 3-100, 3-115, 3-133, 3-149, 3-154, 3-156, 3-157, 3-173, 3-181, 3-193, 3-212, 3-213, 3-217, 3-220, 3-229, 3-237, 3-240, 3-246, 3-264, 3-280, 3-285, 3-287, 3-288, 3-304, 3-312, 3-324, 3-343, 3-344, 3-348, 3-351, 3-360, 3-368, 3-371, 3-377, 3-395, 3-411, 3-416, 3-418, 3-419, 3-435, 3-443, 3-456, 3-460, 3-462, 3-481, 3-497, 3-501, 3-503, 3-522, 3-538, 3-542, 3-544, 3-563, 3-578, 3-597, 3-598, 3-602, 3-605, 3-613, 3-614, 3-622, 3-625, 3-631, 3-650, 3-654, 3-656, 3-675, 3-690, 3-694, 3-695, 3-698, 3-707, 3-714, 3-731, 4-2, 4-7, 4-9, 4-10, 4-51, 4-70, 4-76, 4-79, 4-81, 4-85, 4-90, 4-95, 4-103, 4-119, 4-139, 4-144, 4-146, 4-147, 4-188, 4-203, 4-209, 4-212, 4-214, 4-218, 4-223, 4-228, 4-236, 4-252, 4-271, 4-281, 4-286, 4-289, 4-291, 4-326, 4-345, 4-351, 4-352, 4-388, 4-398, 4-403, 4-406, 4-408, 4-443, 4-462, 4-466, 4-468, 4-469, 4-506, 4-512, 4-513, 5-550, 4-556, 4-557, 4-594, 4-600, 4-601, 4-638, 4-642, 4-644 or 4-645,

most preferred are compounds of

Compound No. 1-2: 4-(2-aminopyridin-4-yl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-3-phenyl-1H-pyrazole,

Compound No. 1-42: 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-(pyridin-4-yl)-1H-pyrazole,

Compound No. 1-50: 1-(5-amino-1,6-dihydro-6-oxopyridazin-3-yl)-3-(4-fluorophenyl)-4-(pyridin-4-yl)-1H-pyrazole,

Compound No. 1-73: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-74: 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-(2-

methylaminopyridin-4-yl)-1H-pyrazole,

Compound No. 1-76: 4-(2-ethylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-78: 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-

trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

Compound No. 1-81: 4-(2-acetylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-84: 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-(2-

methoxycarbonylaminopyridin-4-yl)-1H-pyrazole,

Compound No. 1-94: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-4-methyl-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-95: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-5-methyl-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-97: 1-(5-amino-1,6-dihydro-6-oxopyridazin-3-yl)-4-(2-aminopyridin-4-yl)-3-

(4-fluorophenyl)-1H-pyrazole,

Compound No. 1-104: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-1-methyl-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-119: 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-156: 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-(1,6-dihydro-6-

oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-237: 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-320: 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-401: 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-484: 4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-618: 4-(2-aminopyridin-4-yl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole,

Compound No. 1-677: 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-682: 3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

Compound No. 1-684: 4-(2-acetylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-710: 4-(2-aminopyrimidin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-729: 4-(2-aminopyridin-4-yl)-3-(2,4-difluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-774: 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

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Compound No. 1-823: 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 1-840: 3-(4-fluorophenyl)-1-(1,6-dihydro-6-oxopyridazin-3-yl)-4-[2-(4-methoxybenzylamino)pyrimidin-4-yl]-1H-pyrazole,

Compound No. 2-5: 4-(2-aminopyridin-4-yl)-3-phenyl-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-60: 3-(4-fluorophenyl)-4-(pyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-86: 3-(4-fluorophenyl)-4-(2-methoxypyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-94: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-95: 3-(4-fluorophenyl)-4-(2-methylaminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-97: 4-(2-ethylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-100: 3-(4-fluorophenyl)-4-(2-isopropylaminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-101: 3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

Compound No. 2-105: 4-(2-acetylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-108: 3-(4-fluorophenyl)-4-(2-methoxycarbonylaminopyridin-4-yl)-1-

([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-111: 3-(4-fluorophenyl)-4-(2-methylsulfonylaminopyridin-4-yl)-1-

([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-116: 3-(4-fluorophenyl)-4-[2-(1-phenethylamino)pyridin-4-yl]-1-

([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-117: 4-(2-benzoylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-

([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-129: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(3-methyl-

[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-130: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(3-trifluoromethyl-

[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-132: 4-(2-aminopyridin-4-yl)-1-(3-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-

3-(4-fluorophenyl)-1H-pyrazole,

Compound No. 2-135: 1-(3-acetyl-amino-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-(2-

aminopyridin-4-yl)-3-(4-fluorophenyl)-1H-pyrazole,

Compound No. 2-151: 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-([1,2,4]triazolo[4,3-

b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-177: 3-(3-fluorophenyl)-4-(pyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-

yl)-1H-pyrazole,

Compound No. 2-196: 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-([1,2,4]triazolo[4,3-

b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-287: 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-385: 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-453: 3-(3,4-difluorophenyl)-4-(pyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-476: 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-574: 4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-646: 4-(2-aminopyridin-4-yl)-3-(3-chloro-4-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-705: 4-(2-aminopyridin-4-yl)-3-(4-chloro-3-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-764: 4-(2-aminopyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole,

Compound No. 2-838: 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-885: 4-(2-aminopyrimidin-4-yl)-3-(2-fluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-910: 4-(2-aminopyridin-4-yl)-3-(2,4-difluorophenyl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-970: 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-  
([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-974: 4-(2-cyclopentylcarbonylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-  
([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 2-1036: 3-(4-fluorophenyl)-4-[2-(4-methoxybenzyl)aminopyrimidin-4-yl]-1-  
([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 3-2: 4-(2-aminopyridin-4-yl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-3-  
phenyl-1H-pyrazole,

Compound No. 3-38: 3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-4-(pyridin-  
4-yl)-1H-pyrazole,

Compound No. 3-69: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-  
oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-74: 3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-  
trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

Compound No. 3-77: 4-(2-acetylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-  
oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-90: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-4-  
methyl-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-91: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-5-  
methyl-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-100: 4-(2-aminopyridin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-1-  
methyl-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-115: 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-149: 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-212: 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-280: 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-343: 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-411: 4-(2-aminopyridin-4-yl)-3-(3,4-dichlorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-456: 4-(2-aminopyridin-4-yl)-3-(3-chloro-4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-497: 4-(2-aminopyridin-4-yl)-3-(4-chloro-3-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-538: 4-(2-aminopyridin-4-yl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole,

Compound No. 3-597: 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-1H-pyrazole,

Compound No. 3-602: 3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxopyridazin-3-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,



Compound No. 3-605: 4-(2-acetylamino-4-pyridinyl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxo-1,2,3,4-tetrahydropyridazin-3-yl)-1H-pyrazole,

Compound No. 3-631: 4-(2-amino-4-pyrimidinyl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxo-1,2,3,4-tetrahydropyridazin-3-yl)-1H-pyrazole,

Compound No. 3-650: 4-(2-amino-4-pyridinyl)-3-(2,4-difluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxo-1,2,3,4-tetrahydropyridazin-3-yl)-1H-pyrazole,

Compound No. 3-690: 4-(2-cyclopropylcarbonylamino-4-pyridinyl)-(1,4,5,6-tetrahydro-6-oxo-1,2,3,4-tetrahydropyridazin-3-yl)-3-phenyl-1H-pyrazole,

Compound No. 3-694: 4-(2-cyclopropylcarbonylamino-4-pyridinyl)-3-(4-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxo-1,2,3,4-tetrahydropyridazin-3-yl)-1H-pyrazole,

Compound No. 3-731: 4-(2-cyclopropylcarbonylamino-4-pyridinyl)-3-(2-fluorophenyl)-1-(1,4,5,6-tetrahydro-6-oxo-1,2,3,4-tetrahydropyridazin-3-yl)-1H-pyrazole,

Compound No. 4-2: 4-(2-amino-4-pyridinyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-3-phenyl-1H-pyrazole,

Compound No. 4-51: 3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-(2-amino-4-pyridinyl)-1H-pyrazole,

Compound No. 4-70: 4-(2-amino-4-pyridinyl)-3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-76: 3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-(2-(2,2,2-trifluoroethylamino)-4-pyridinyl)-1H-pyrazole,

Compound No. 4-79: 4-(2-acetylamino-4-pyridinyl)-3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-81: 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-119: 4-(2-aminopyrimidin-4-yl)-3-(4-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-139: 4-(2-aminopyridin-4-yl)-3-(3-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-203: 4-(2-aminopyridin-4-yl)-3-(2-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-209: 3-(2-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

Compound No. 4-212: 4-(2-acetylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-214: 4-(2-cyclopropylcarbonylaminopyridin-4-yl)-3-(2-fluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-281: 4-(2-aminopyridin-4-yl)-3-(4-chlorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-345: 4-(2-aminopyridin-4-yl)-3-(3-chlorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-398: 4-(2-aminopyridin-4-yl)-3-(3,4-difluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-403: 3-(3,4-difluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-4-[2-(2,2,2-trifluoroethyl)aminopyridin-4-yl]-1H-pyrazole,

Compound No. 4-406: 4-(2-acetylamino-pyridin-4-yl)-3-(3,4-difluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-408: 4-(2-cyclopropylcarbonylamino-pyridin-4-yl)-3-(3,4-difluorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole,

Compound No. 4-462: 4-(2-amino-pyridin-4-yl)-3-(3,4-dichlorophenyl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-1H-pyrazole, or

Compound No. 4-638: 4-(2-amino-pyridin-4-yl)-1-(7,8-dihydro-[1,2,4]triazolo[4,3-b]pyridazin-6-yl)-3-(3-trifluoromethylphenyl)-1H-pyrazole.

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**Please amend the Specification paragraph beginning on page 234, line 26 (more particularly page 235, line 6 therein) as follows:**

After completion of the reaction, the reaction mixture was neutralized with a 2N hydrochloric acid, and extracted with 100 ml of chloroform. The organic layer was successively washed with water and then with an aqueous saturated sodium chloride solution, dried over anhydrous magnesium sulfate, and then, concentrated under reduced pressure. The obtained residue was applied to silica gel column chromatography (eluent; chloroform:ethyl acetate: methanol=15:4:1 (V/V/V)), and the separated fractions containing the objective compound were concentrated under reduced pressure. The obtained crude crystals were washed with 22 ml of a mixed solvent (hexane:diisopropyl ether= 10:1 (V/V)) to obtain 226 mg of the title compound as a white powder. (Yield: 72%)

Application No.: Not Yet Assigned

Docket No.: 0283-0210PUS1

Rf value: 0.48 (chloroform:ethyl acetate:methanol=15:4:1).

Mass spectrum (CI, m/z): 270 ( $M^+ + 1$ ).

$^1\text{H}$ -NMR spectrum (DMSO- $d_6$ ,  $\delta$  ppm): 3.81 (s, 3H), 6.65 (dd,  $J_1=1.5\text{Hz}$ ,  $J_2=0.7\text{Hz}$ , 1H), 6.83 (dd,  $J_1=5.4\text{Hz}$ ,  $J_2=1.5\text{Hz}$ , 1H), 7.24-7.30 (m, 2H), 7.42-7.48 (m, 2H), 8.04 (dd,  $J_1=5.4\text{Hz}$ ,  $J_2=0.7\text{Hz}$ , 1H), 8.10 (brs, 1H), 13.32 (brs, 1H).

19-2) 3-(4-Fluorophenyl)-4-(2-methoxypyridin-4-yl)-1-([1,2,4]triazolo[4,3-b]pyridazin-6-yl)-  
1H-pyrazole